WHAT IS CLAIMED IS:

1	1. A client wireless module, for handling communications to and from an
2	access point wireless module, comprising:
3	an 11b processing section, for processing at least data to be transmitted to the access
4	point into representations of a transmit signal;
5	an OFDM processing section, for processing at least a representation of a receive signal
6	from the access point into receive data;
7	at least one transmit antenna, coupled to the 11b processing section;
8	at least one receive antenna, coupled to the OFDM processing section; and
9	logic for routing information between a client and the client wireless module.
1	2. The client wireless module of claim 1, wherein the at least one transmit
2	antenna comprises a plurality of transmit antennas.
1	3. The client wireless module of claim 1, wherein the at least one receive
2	antenna comprises a plurality of receive antennas.
1	4. A client wireless module, for handling communications to and from an
2	access point wireless module, comprising:
3	an OFDM processing section, for processing at least data to be transmitted to the access
4	point into representations of a transmit signal;
5	an 11b processing section, for processing at least a representation of a receive signal
6	from the access point into receive data;
7	at least one transmit antenna, coupled to the OFDM processing section;
8	at least one receive antenna, coupled to the 11b processing section; and
9	logic for routing information between a client and the client wireless module.
1	5. The client wireless module of claim 4, wherein the at least one transmit
2	antenna comprises a plurality of transmit antennas.
1	6. The client wireless module of claim 4, wherein the at least one receive
2	antenna comprises a plurality of receive antennas.
1	7. An access point wireless module, for handling communications to and from
2	a client wireless module, comprising:

3	an 802.11b processing section, for processing at least data to be transmitted to the client
4	into representations of a transmit signal;
5	an 802.11g processing section, for processing at least a representation of a receive signal
6	from the client into receive data;
7	at least one transmit antenna, coupled to the 802.11b processing section;
8	at least one receive antenna, coupled to the 802.11g processing section; and
9	logic for routing information between an access point and the access point wireless
10	module.
1	8. The access point wireless module of claim 7, wherein the at least one
2	transmit antenna comprises a plurality of transmit antennas.
1	9. The access point wireless module of claim 8, wherein the at least one
2	receive antenna comprises a plurality of receive antennas.
1	10. An access point wireless module, for handling communications to and
2	from a client wireless module, comprising:
3	an 802.11g processing section, for processing at least data to be transmitted to the client
4	into representations of a transmit signal;
5	an 802.11b processing section, for processing at least a representation of a receive signal
6	from the client into receive data;
7	at least one transmit antenna, coupled to the 802.11g processing section;
8	at least one receive antenna, coupled to the 802.11b processing section; and
9	logic for routing information between an access point and the access point wireless
10	module.
1	11. The access point wireless module of claim 10, wherein the at least one
2	transmit antenna comprises a plurality of transmit antennas.
1	12. The access point wireless module of claim 10, wherein the at least one
2	receive antenna comprises a plurality of receive antennas.
1	13. A method of wireless communication between a client device and an
2	access point, wherein a client device is a wireless network station that is portable, mobile or
3	portable and mobile, the method comprising:
4	transmitting unstream data from the client device using an 802 11h protocol:

5	receiving the upstream data at the client device;
6	transmitting downstream data from the access point using an 802.11g protocol; and
7	receiving the downstream data at the client device.
1	14. A method of wireless communication between a first station and a second
2	station, the method comprising:
3	at the first station, transmitting data packets to the second station using a first data
4	modulation and a first data rate;
5	at the first station, transmitting acknowledgement packets to the second station in
6	response to data packets received from the second station, using a first
7	acknowledgement modulation and a first acknowledgement rate;
8	at the second station, transmitting data packets to the first station using a second data
9	modulation and a second data rate; and
10	at the second station, transmitting acknowledgement packets to the first station in
11	response to the data packets received from the first station, using a second
12	acknowledgement modulation and a second acknowledgement rate,
13	wherein the first data rate is distinct from at least one of the second data rate, the first
14	acknowledgement rate, or the second acknowledgement rate.
1	15. A method of claim 14, wherein the first data modulation is distinct from at
2	least one of the second data modulation, the first acknowledgement modulation, or the second
3	acknowledgement modulation.
1	16. A method of claim 14, wherein the first data modulation, the second data
2	modulation, the first acknowledgement modulation, and the second acknowledgement
3	modulation are selected from and 802.11b rate and an OFDM rate.
1	17. A method of claim 16, wherein at least one of the first data modulation,
2	the second data modulation, the first acknowledgement modulation, and the second
3	acknowledgement modulation is an 802.11b modulation and at least one of the modulations is
4	an OFDM modulation.